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 TI High-concentration dispersions of oil-containing quaternary ammonium salts-based vesicles for hair-care products, etc.

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 SO Jpn. Kokai Tokkyo Koho, 8 pp.
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	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 10298149	A2	19981110	JP 1997-121674	19970424
AB	The dispersions contain 5-60% bimol. membrane vesicles of quaternary ammonium salts in which oils are enclosed, and 0.5-20% sugar alcs. as viscosity-reducing agents. Sugar alcs. may be added to a 1st and/or 2nd aq. phase for prepn. of the dispersions. The dispersions are useful for hair conditioners, etc., and as textile softeners. A mixt. of distearoyloxyethylidemethylammonium chloride, 10, fat-sol. perfume 5, liquid paraffin 1, cetyl alc, 0.5, and silicone oil 1.5% was mixed with a part an aq. phase contg. 1% CaCl ₂ and 20% sorbitol, and the resulting liq. crystal compn. was further mixed with the residual part of the aq. phase to give a hair rinse having viscosity 15 cP.				
IC	ICM C07C211-63				
	ICS B01J013-00; C11D001-62; C11D003-22; D06M013-46; A61K007-06; A61K007-08				
CC	62-3 (Essential Oils and Cosmetics)				
ST	Section cross-reference(s): 40 quaternary ammonium salt vesicle dispersion rinse; hair softener quaternary ammonium salt dispersion; fabric softener quaternary ammonium salt dispersion; alditol viscosity reducer quaternary ammonium dispersi				
IT	Quaternary ammonium compounds, biological studies RL: BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (dimethylditallow alkyl, chlorides; high-concn. dispersions of oil-contg. quaternary ammonium salt bimol. membrane vesicles using sugar alcs. as viscosity reducing agents for hair rinses, etc.)				
IT	Bilayer membranes Disperse systems Fabric softeners Hair conditioners Vesicles (colloidal) (high-concn. dispersions of oil-contg. quaternary ammonium salt bimol. membrane vesicles using sugar alcs. as viscosity reducing agents for hair rinses, etc.)				
IT	Alditols RL: BUU (Biological use, unclassified); MOA (Modifier or additive use); PRP (Properties); BIOL (Biological study); USES (Uses) (high-concn. dispersions of oil-contg. quaternary ammonium salt bimol. membrane vesicles using sugar alcs. as viscosity reducing agents for hair rinses, etc.)				
IT	Quaternary ammonium compounds, biological studies RL: BUU (Biological use, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses) (high-concn. dispersions of oil-contg. quaternary ammonium salt bimol. membrane vesicles using sugar alcs. as viscosity reducing agents for hair rinses, etc.)				
IT	50-70-4, Sorbitol, biological studies 69-65-8, Mannitol 97-99-0, Xylitol RL: BUU (Biological use, unclassified); MOA (Modifier or additive use);				